

Application No. 09/913,781
Amendment Under Rule 116 dated February 27, 2004
Reply to Office Action of February 17, 2004

Amendments to the Claims

Amend claims 5 and 10 as shown below. The following listing of claims replaces all prior versions.

Listing of Claims

1-4 (canceled)

5 (currently amended) The device of claim 10 wherein said gasket means is in the form of a ridge of elastic material and is integral with at least one of said concentration chamber and said ~~filtration~~ filtrate chamber.

6 (canceled)

7 (previously amended) The device of claim 10 with a plurality of concentration and filtrate chambers in substantial alignment and adapted to receive and process a plurality of liquid samples.

8: (original) The device of claim 7 adapted to matingly engage the receptacles of a micro titer plate.

9 (canceled)

10 (currently amended) Device for concentrating and/or purifying
macromolecules in a liquid by filtration through a membrane comprising

- (a) a two-sided filtration insert comprising:
 - (i) an upper plate having at least one concentration chamber adapted to receive and contain a liquid containing macromolecules to be processed, each of said at least one concentration chamber being provided with at least one first ~~aperture~~ port that is separate from and in fluid communication with said concentration chamber;
 - (ii) a membrane support plate having at least one filtrate chamber for supporting the permeate side of at least one membrane, said at least one filtrate chamber provided with at least one second port that is separate from and in fluid communication with said filtrate chamber and ~~aperture arranged over said at least one first aperture~~;
 - (iii) at least one membrane having a feed side and a permeate side, said membrane being fluid-tight along its periphery and situated over at least one of said first and second ports ~~apertures~~ and separating said at least one concentration chamber and said at least one filtrate chamber; and

- (iv) elastic gasket means arranged around at least one of said first and second ports ~~apertures~~ and in contact with at least one side of said at least one membrane; and
- (b) a two-part pressure-resistant sleeve with closed end portions, said two-part sleeve being separate from said filtration insert and matingly engaging said upper plate and said membrane support plate of said filtration insert so as to surround said first and second ports and exert and maintain sufficient compressive forces to seal said at least one membrane fluid-tight against said concentration chamber and said filtrate chamber.